Depth 6	Cont 7	rence ast rement 8
39629		
79259		
118888		
19815		
1981		
13852		
273424=00		

First & Final Bill

BR-133/31-5-14

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

231443

Serial No.....

Name of work..Providing CC Roads and Asphalting to Roads at Ganganna Guddi area in ward no-20. (Doddabommasandra) From..Sub-division To..Vidyaranyapura

Name of Contractor of nature of Agency..K.R.I.D.L.

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work code NO:- 010-14-000016.						
	Work order NO:- EE/BTP/BBMP/KRIDL/WO/659/2013-14, Dt 5/3/2014.						
	Head of Account:- P-1771.						
	Address of Agency:- #119, 11th Cross Road Silvestra Duplex 3rd Floor, East Park Road, Malleshwaram, Bangalore-03						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Earth work excavation by manual means in Hard Soil involving an average horizontal throw upto 2meters and an average lift upto 0.5mt excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods etc						
	CC Road						
		L	30.00 $\frac{(5.20+5.0)}{2}$		0.15	= 22.95 Cum	
		L	35.20 $\frac{(5.0+5.20)}{2}$		0.15	= 26.93 Cum	
					Total	= 49.88 Cum	
						= 49.50 Cum	
		Qty limited to Tender					
		@ Rs 90.72				Rs 4491.00	
	2) Providing and laying in Position Plain Cement concrete of mix M7.5 with OPC Cement @ 180kgs using 40mm and down size graded granite metal, coarse aggregates @ 0.85 Cum and fine aggregates in foundation and Plinth.						

C & Fc

Serial No.....

Name of work.....

Name of Contractor of nature of Agen

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	CC Road
3)	Providing & fixing comp complete as per decan

Depth 6	Contents 7	Reference to last Measurement 8
in Hard Soil involving an an average lift upto 0.5mt dressed, the disposed earth to bc		
0.15 = 22.95cum		
0.15 = 26.93cum		
Total = 49.88cum		
= 49.50cum		
	RS 4491.00	
ent concrete of mix M7.5 with size graded granite metal, coarse in foundation and Plinth.		

C&Fc

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

231444

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	CC Road	1	30.00	(5.2+5.00)/2	0.15 =	22.95cum	
		1	35.20	(5.0+5.20)/2	0.15 =	26.93cum	
					Total =	49.88 cum	
		Qty limited to Tender			=	49.50cum	
		@ RS 4290.84				RS 212387.00	
3)	Providing & fixing 20mm thick compressible fibre board in expansion joint complete as per drawing & technical specifications etc.	6	5.00			= 30.00mtr	
		@ RS 137.16				RS 4115.00	

C&Fc

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
4)	providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement Ready mixed cement concrete M-20 (1:1.5:3) for raft foundation columns footings, main and secondary beam.						
	CC Roads						
		L	30.00 $\frac{(5.2+5.00)}{2}$	0.10	=	15.30 cum	
		L	35.20 $\frac{(5.00+5.20)}{2}$	0.10	=	17.95 cum	
					Total =	33.25 cum	
		Qty limited to tender			=	33.00 cum	
		@ Rs 6464.88				Rs 2133412.00	
5)	Vacuum De-watering with vacuum pump and suction mat compaction with 5kva floater set including cost generator HSM of machinery screed vibrating, power floater, trowel and dry set complete.						

CLRC

M.A.R

Me

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	For CC Roads	L
		L
		Qty lo
		@ Rs
6)	Scarifying stone metal cru with premix carpet / surface macadam with a load of all labour.	

	Depth 6	Contents 7	Reference to last Measurement 8
...y 20mm and down Size granite			
...CC work laid on 15cms thick			
...ng, finishing with necessary			
...(1:1.5:3) for raft foundation			
...ary.			
...) 0.10 =		15.30 Cum	
...) 0.10 =		17.95 Cum	
Total =		33.25 Cum	
...der =		33.00 Cum	
		Rs 213461.00	
...and Suction mat compaction ...rator Hire of machinery Screed ...duty etc complete.			

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

231445

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	For CC Roads	1	30.00 (5.2+5.00)/2		=	153.00 Sqmt	
		1	35.20 (5.0+5.20)/2		=	179.52 Sqmt	
					Total =	332.52 Sqmt	
		Qty limited to Tender			=	330.00 Sqmt	
		@ Rs 91.80				Rs 30294.00	
6)	Scarifying stone metal Crust 50mm to 100mm thick with Pick axes along with premix Carpet/Surface dressing and Stacking of old serviceable material within a lead of 100 metres by manual means including cost of all labour.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	9) Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate 0.60 kg/Sqm using mechanical means etc.						
	Qty vide item No-08					= 16400.00 Sqm	
	@ Rs 4402					Rs 72619.00	
	10) Providing and laying semi-dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonne per hour using crushed aggregate of specified grading, premixed with bituminous binder at 4.5% to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with a vibratory						
	Road1	1	3420	$\frac{(5120+5100)}{2}$	0.025	= 4.360 Cum	

Serial No.....

Name of work.....

Name of Contractor of nature of Age

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	Road2
	Road3
	Road4
	Road5

Depth 6	Contents 7	Reference to last Measurement 8
bitumen emulsion on prepared ...ing of road surface and spraying ...hanical means @	= 1640.00 Sqm	CF 5
	Rs 7261.00	
...nary Concrete 25mm thick work... ...ing an average output of 75 forms ...ctified grading, premixed work... ...m and filler, transporting to hot ...spector, Paver finisher work scarifier ...alignment, rolling work a screeded		
...00) 0.025 = 4.36 Cum		

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

231449

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Road 2	1	30.00	(5.3 + 5.20)/2	0.025	= 3.94 Cum	
		1	17.90	(5.2 + 5.30)/2	0.025	= 2.35 Cum	
	Road 3	1	30.00	(5.4 + 5.00)/2	0.025	= 3.90 Cum	
		1	16.60	(5.0 + 5.20)/2	0.025	= 2.12 Cum	
	Road 4	1	30.00	(5.3 + 5.10)/2	0.025	= 3.90 Cum	
		1	10.20	(5.10 + 5.00)/2	0.025	= 1.28 Cum	
	Road 5	1	30.00	(5.2 + 5.00)/2	0.025	= 3.83 Cum	

CF 2

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(5.0+5.10)/2	0.025 =	3.79 Cum	
		1	30.00	(5.10+5.50)/2	0.025 =	3.98 Cum	
		1	30.00	(5.5+5.20)/2	0.025 =	4.01 Cum	
		1	30.00	(5.20+5.10)/2	0.025 =	3.86 Cum	
		1	8.30	(5.10+5.20)/2	0.025 =	1.07 Cum	
					Total =	42.38 Cum	
					Qty limited to Tender =	41.00 Cum	
					@ Rs 9631.44		Rs 394889.00
	11) Lead for Disposal of Debris shall be Payable at carriage rates by Mechanical means including loading and unloading etc complete as per Specifications						

Cafe
21/5/2014.

G.T.C

M.A

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numbe
1	2	3
	Qty Wod	Item @ Rs
12)	Add 1/- for Third party	
13)	Add 1/- for K.S.I.D.C	

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
(0)	0.025 =	3.79 Cum	
·50)	0.025 =	3.98 Cum	
,20)	0.025 =	4.01 Cum	
·60)	0.025 =	3.86 Cum	
5.20)	0.025 =	1.07 Cum	
	Total =	42.38 Cum	
Tender =		41.00 Cum	

C&T.C

RS 39488.00

Payable at carriage rates by and unloading etc complete

4915

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

231450

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty Wood Item 200.01 @ RS 72.71				=	49.50 Cum	
						RS 3599.00	
12)	Add 4% for Third Party inspection Charges					RS 12939.14	
13)	Add 14.5% for K.K.I.D.C Charges					RS 142330.54	
						Total RS 1449183.68	
						Jadhav	

Total 31/5/14

1436245

AE 31/5/2014

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:-						
	Certified that the above work done Satisfactory and no-materials issued from departmentally						
	Zeelhar						
	AE 31/5/2014				31/5/14		

Serial No.....

Name of work.....

Name of Contractor of nature of Age

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	Sketch Showing-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	

14362.5 = 00

20960.4 =

12,26,641 = 00

I/F - 28725 -

ಇಟ್ಟಿಗೆ - 57452 -

ಕಲ್ಲು - 86175 -

ಮಣ್ಣು - 14362 -

ಎಚ್.ಪಿ - 1436 -

ಸಿಮೆಂಟ್ - 21536 -

Total - 209604 = 00

3

M.

Serial No.....

Name of work.....

Name of Contractor of nature of Agency..

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3